

Title (en)

CROSSLINKABLE POLYTETRAFLUOROETHYLENE COMPOSITION, CROSS- LINKED POLYTETRAFLUOROETHYLENE POWDER, POLYTETRAFLUORO- ETHYLENE MOLDINGS, RESIN BLEND COMPOSITIONS, AND RESIN BLEND MOLDINGS

Title (de)

VERNETZBARE POLYTETRAFLUORETHYLENZUSAMMENSETZUNG, VERNETZTES POLYTETRAFLUORETHYLENPULVER, POLYTETRAFLUORETHYLENFORMKÖRPER, HARZMISCHUNGSZUSAMMENSETZUNGEN UND HARZMISCHUNGSFORMKÖRPER

Title (fr)

COMPOSITION DE POLYTETRAFLUORETHYLENE RETICULABLE, POUDRE DE POLYTETRAFLUORETHYLENE RETICULABLE, MOULAGES EN POLYTETRAFLUORETHYLENE, COMPOSITIONS DE MELANGE DE RESINES ET MOULAGES EN MELANGE DE RESINES

Publication

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Application

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- JP 2005233919 A 20050812

Abstract (en)

The object of the present invention is to offer a PTFE resin that can be prepared by common molding methods such as compression molding and the like without the necessity for expensive equipment or hot coining methods or the like that are deleterious to productivity, and where harmful substances are not generated during manufacture, and convention strength, crystallinity and surface characteristics are preserved, and where there is neither anisotropy nor heterogeneity, and where the PTFE resin is more difficult to deform than is conventional PTFE resin. A crosslinkable polytetrafluoroethylene composition of matter contains polytetrafluoroethylene and a crosslinking agent. The polytetrafluoroethylene possesses at least one reactive functional group selected from the group consisting of cyano (-CN), carboxyl (-COOH), alkoxycarbonyl (-COOR (where R is a monovalent organic group)) and acid halide (-COX (where X is a halogen atom)) on at least one of the main chain and side chain terminal ends. The crosslinking agent reacts with one or a plurality of reactive functional groups and can form a cyclic structure.

IPC 8 full level

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CPC (source: EP US)

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